



Date: 23-08-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	25.90 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	26.34	Not more than 35.0 %
3.	Water absorption, %	0.36 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

K. R.
KIRAN. R
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For Newzen Consultants Bangalore
Proprietor



NC/QC/PYZ/2017-18/A-W24

Date: 23-08-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

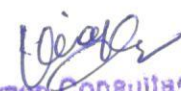
Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	95.40	95-100
26.50	---	-
22.40	74.20	60-80
11.20	45.70	40-60
4.75	37.35	25-40
2.36	20.40	15-30
0.600	13.10	8-22
0.075	2.70	0-5

*As Furnished by Client

The Results relate only to the items tested

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KIRAN. R
M.E. CIVIL ENGINEER


For Newzen Consultants Bangalore

Proprietor



Date: 23-08-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.46 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	26.91 %	Not more than 35.0 %
3.	Water absorption, %	0.36 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

KIRAN. R
Proprietor

Page No. 2/2

For Newzen Consultants Bangalore
Proprietor



NC/QC/PYZ/2017-18/A-W25

Date: 23-08-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	99.20	95-100
26.50	---	- -
22.40	77.90	60-80
11.20	53.10	40-60
4.75	36.40	25-40
2.36	27.80	15-30
0.600	21.50	8-22
0.075	2.90	0-5

*As Furnished by Client

The Results relate only to the items tested

Page No. 1/2,

KIRAN. R
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For Newzen Consultants Bangalore
Proprietor



Date: 23-08-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	26.50 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	29.30	Not more than 35.0 %
3.	Water absorption, %	0.35 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

K. R.
KIRAN. R
H.E. CHANDRAN

(Signature)
For Newzen Consultants Bangalore
Proprietor



NC/QC/PYZ/2017-18/A-W26

Date: 23-08-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	96.80	95-100
26.50	---	-
22.40	61.50	60-80
11.20	41.90	40-60
4.75	33.60	25-40
2.36	21.10	15-30
0.600	17.50	8-22
0.075	3.20	0-5

*As Furnished by Client

The Results relate only to the items tested

Page No. 1/2,

K. R.
KIRAN. R.
SELF EMPLOYED

[Signature]
For Newzen Consultants Bangalore

Proprietor



Date: 23-08-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.O.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	24.39 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	25.46 %	Not more than 35.0 %
3.	Water absorption, %	0.36 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

KIRAN. R
18-08-2017

Page No. 2/2

For Newzen Consultants Bangalore
Proprietor



NC/QC/PYZ/2017-18/A-W27

Date: 23-08-2017

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.40	95-100
26.50	---	-
22.40	69.20	60-80
11.20	46.60	40-60
4.75	32.10	25-40
2.36	20.90	15-30
0.600	16.40	8-22
0.075	2.60	0-5

*As Furnished by Client

The Results relate only to the items tested

Page No. 1/2,

K. R.
KIRAN. R.
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For Newzen Consultants Bangalore*

Proprietor



Date: 23-08-2017

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	24.97 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	27.43 %	Not more than 35.0 %
3.	Water absorption, %	0.37 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

KIRAN. R
B.E. CIVIL ENGINEER

Page No. 2/2

For Newzen Consultants Bangalore
Proprietor



NC/QC/PYZ/2017-18/A-B1

Date: 21-08-2017

1. TEST REPORT ON BITUMEN SAMPLE:

Sub: Testing of Bitumen sample VG-30 Grade.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

Technical Reference: Ministry of Road Transport and Highways, V Revision, 2013 and IS 73: 1992.

TABLE 1.1 :

SL No	Details	Test Results	Requirements as per I.S 73 –1992 Specifications
1.	Penetration at 25 ⁰ C	47.0	Min. 45
2.	Ductility Value at 25 ⁰ C	101.0 cm	40
3.	Flash point	236 ⁰ C	Minimum 220 ⁰ C
4.	Softening point	51.0 ⁰ C	Min. 47

*As furnished by Client.

The results relate only to the samples tested.


KIRAN. R
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Page No. 1/1,


For Newzen Consultants Bangalore
Proprietor



NC/QC/PYZ/2017-18/A-C1

Date: 21-08-2017

1. TEST REPORT ON COARSE AGGREGATE:

Sub: Testing of Coarse Aggregate used in Bituminous Concrete.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TABLE 1.1 :

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	22.95 %	Not more than 24.00 %
2.	Combined Flakiness and Elongation index, %	26.09 %	Not more than 35.0 %
3.	Water absorption, %	0.34 %	Not more than 2.0 %
4.	Specific gravity	2.45	-----
5.	Soundness	6.05 %	Max. 12 % in Sodium Sulphate

*As furnished by Client.

The results relate only to the samples tested.

Page No. 1/1,

K R
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For Newzen Consultants Bangalore

Proprietor



NC/QC/PYZ/2017-18/A-BC1

Date: 24-08-2017

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

A. Type of Construction : Bituminous Concrete

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.45 %**

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
13.2	98.90	90-100
9.5	84.40	70-88
4.75	58.70	53-71
2.36	49.30	42-58
1.18	40.10	34-48
0.600	33.80	26-38
0.300	21.50	18-28
0.150	17.90	12-20
0.075	6.40	4-10

*As Furnished by Client.

The Results relate only to the items tested.

Page No. 1/1

KIRAN. R

For Newzen Consultants Bangalore

Proprietor



NC/QC/PYZ/2017-18/A-BC2

Date: 24-08-2017

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.42 %**

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
13.2	98.60	90-100
9.5	83.10	70-88
4.75	66.25	53-71
2.36	52.60	42-58
1.18	40.50	34-48
0.600	33.75	26-38
0.300	21.90	18-28
0.150	19.85	12-20
0.075	6.95	4-10

*As Furnished by Client.

The Results relate only to the items tested.

Page No. 1/1

K. R.
KIRAN. R
For Newzen Consultants Bangalore

For Newzen Consultants Bangalore

Proprietor



NC/QC/PYZ/2017-18/A-BC3

Date: 25-08-2017

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

A. Type of Construction : Bituminous Concrete

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.40 %**

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
13.2	98.35	90-100
9.5	82.10	70-88
4.75	65.80	53-71
2.36	56.90	42-58
1.18	42.30	34-48
0.600	31.60	26-38
0.300	19.55	18-28
0.150	15.20	12-20
0.075	6.70	4-10

*As Furnished by Client.

The Results relate only to the items tested.

Page No. 1/1

K. R.
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For Newzen Consultants Bangalore

Proprietor



NC/QC/PYZ/2017-18/A-BC4

Date: 25-08-2017

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Improvements and asphaltting to cross roads at Agrahara layout instead of Kogilu layout in ward no 05.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Executive Engineer – 4,
KRIDL, Bangalore.

TEST RESULTS

A. Type of Construction : Bituminous Concrete

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.41 %**

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
13.2	99.05	90-100
9.5	80.30	70-88
4.75	67.10	53-71
2.36	54.65	42-58
1.18	46.90	34-48
0.600	34.25	26-38
0.300	25.70	18-28
0.150	15.45	12-20
0.075	7.80	4-10

*As Furnished by Client.

The Results relate only to the items tested.

KIRAN. R
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Page No. 1/1

For Newzen Consultants Bangalore

Proprietor